IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:	§	
	§	
AVERBUCH et al	§	
	§	
Serial No.: 10/518,766	§	
	§	
Filed: 21 DEC 2004	§	Group Art Unit:
	§	
For: Method Of Transmitting Data Using Space Time Block Codes	§ § § §	Attorney Docket No.: 27/243

Examiner:

Commissioner of Patents and Trademarks
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is PTO Form 1449 which lists citations which may be material to the patentability of the above-identified application.
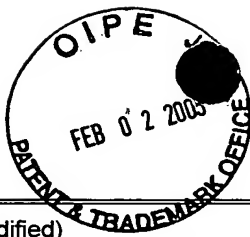
These are being submitted in compliance with the duty of disclosure defined in 37 C.F.R. 1.56. The Examiner is requested to make these citations of official record in this application.

This Information Disclosure Statement Under 37 C.F.R. 1.56 is not to be construed as a representation that a search has been made, that additional matter which is material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Respectfully submitted,

Mark M. Friedman
Attorney for Applicant
Registration No. 33,883

Date: January 30, 2005

Form PTO-1449 (Modified)	Atty. Docket No. 27/243	Application No. 10/518,766
INFORMATION DISCLOSURE CITATION IN AN APPLICATION *(USE SEVERAL SHEETS IF NECESSARY)*	Applicant: AVERBUCH ET AL	
	Filing Date: 21 DEC 2004	Group Art Unit:

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA		6,185,258	Feb 01	Alamouti			
AB							

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
AC								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
AD		"NONCOMMUTATIVE RINGS" Herstein. The Carus Mathematical Monographs, Number Fifteen
AE		"A Simple Transmit Deversity Technique For Wireless Communications" Alamouti; IEEE Journal on Select Areas In Communications Vol 16 No.8 October 1998
AF		"A Differential Detection Scheme for Transmit Deversity" Tarokh; IEEE Journal on Select Areas In Communications Vol 18 No.7 July 2000
AG		"Space-Time codes for High Data Rate Wireless Communication: Performance Criterion and Code Construction" Tarokh et al; IEEE Transactions on Information Theory Vol 44 No.2 July 1998
AH		" Space Time Block codes from orthogonal designs" Tarokh et al; IEEE Trans Info theory Vol 45, No.5 pp1456-1467, July 1999
AI		Hochwald et al; "Unitary Space Time modulation for Multiple Antenna Communications in Rayleigh Flat Fading" IEEE Transactions on Information Theory , Mar 2000
AJ		Hochwald et al ; "Differential Unitary space time modulation" IEEE Trans. Comm. Vol 48, pp 2041-2052 December 2000
AK		Shokrollahi et al; Representation theory for high rate multiple antenna code design" IEEE Trans. Inform Theory , vol. 47, no.6 pp 2335-2367 September 2001
AL		Hughes; "Differential space-time modulation " IEEE trans inform. Theory Vol.46 pp 2567-2578 Nov. 2000
AM		Han et al; "Unitary constellations with large diversity sum and good diversity product" Department of Mathematics Univ; of Notre Dame Oct 2002

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
BA							
BB							

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
BC								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
BD		"The Finite Inner Automorphism Groups Of Division Rings" Shirvani; Math Proc. Camb. Phil. Soc. Vol. 118 pp.207-213, 1995
BE		"On Limits Of Wireless Communications In A Fading Enviroment When Using Multiple Antennas" Foschini et al; Wireless Personal Communications 6: 311-335 1998
BF		Amitsur; "Finite Subgroups of Division Rings" Trans, Amer. Math. Soc. (1955) 361-386 .
BG		
BH		

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